

Schedule Retreat Hotel Döllnsee Schorfheide on June 6/7.2024 - Status June 04, 2024 -

Time	Name	Supervisor(s)	Tentative presentation titles	Batch
Thursday 6.6.2024				
08:30	Departure per bus		Meeting point: 08:10 between old chemistry building and main building of TU	
10:30	Arrival Hotel – Room		Moderation: Mroginski	
11:00-11:30	Francisco	Neubauer/ Lenz	Development and scale-up of a fed-batch process for heterologous hydrogenase production in <i>E. coli</i>	WS22
11:30-12:00	Carmen	Neubauer/ Mroginski	Structural studies on pyrimidine nucleoside phosphorylases to improve kinetics with sugar-modifies nucleosides	WS21
12:00-12:30	Maria	Heberle/ Mroginski	Infrared spectroelectrochemistry of a bifurcating electron transferring flavoprotein	WS22
12.30-13:30	Lunch		Moderation: Zebger	
13:30-14:00	Anushka	Dobbek/ Zegber	Design of artificial metalloenzyme for CO ₂ reduction and CC-coupling reactions	WS22
14:00-14:30	Elizaveta	Horch/Weber	Understanding catalyst reactions by time resolved spectroscopy and mathematic modelling	WS22
14:30-15:00	Cornelius	Horch/Zebger	Investigation on [FeFe] and [NiFe] hydrogenases by two-dimensional spectroscopy	WS21
15:00-15:20	Coffee break		Moderation: Horch	
15:20-15:50	Victor	Zebger/ Leimkühler	Spectroscopic investigation of Molybdenum cofactors	WS21
15:50-16:20	Shima	Dau/Strasser	Reaction kinetics in cobalt-based electrocatalyst for water oxidation	WS21
16:20-16:50	Coffee break		Moderation: Dobbek	
16:50-17:20	Yiqing	Kneipp/Arenz	Exploring the intracellular response of unlabelled ceramide through surface enhanced Raman scattering	WS20
17:20-17:50	Zohreh	Risse/Schlögl	Utilization of operando EPR spectroscopy in investigation of heterogeneous catalytic systems, case studies of Cu/ZnO:Al, Ni/Silica and La _{0.85} Fe _{0.7} Mn _{0.3} O ₃ catalysts	WS20
19:00-20:00	Dinner			
20:00-22:30	Interactions			

Friday 7.6.2024			Moderation: Ray	
09:00-09:30	Hongyuan	Driess/Menezes	s-, p-, and f-block metals-mediated novel iron-based compounds as precatalysts for efficient alkaline OER	WS20
09:30-10:00	Wanli	Ray/Kaupp	Pd catalysed sp ₂ C-H carbonylation	WS21
10:00-10:30	Amanda	Ray/Dobbek	Small molecule activation regulated by secondary coordination within artificial non-heme metalloproteins	WS21
10:30-10:50	Coffee break		Moderation: Al Naji	
10:50-11:20	Jesvita	Braun/Kaupp	Mono- and bi-metallic complexes for alkane activation	WS21
11:20-11:50	Badr	Hess	Stabilization of <i>RuO</i> ₂ electrocatalysts for water splitting under dynamic operating conditions by surface modification	WS22
11:50-12:20	Nicole	Sauer/Keller	Ab initio prediction of isotherms for water adsorption in the Metal-Organic Framework Mg-MOF-74	WS21
12:30-13:30	Lunch		Moderation: Oestreich	
13:30-14:00	Yao	Oestreich	Enantioselective dearomatization of pyridinium salts by copper-catalyzed C4-selective addition of silicon nucleophiles	WS22
14:00-14:30	Honghua	Oestreich	Electrophilic activation of S-Si reagents by silylium ions for their regio- and diastereoselective addition across C-C multiple bonds	WS21
14:30-14:50	Coffee break		Moderation: Hess	
14:50-15:20	Yaxin	Gurlo/ Schomäcker/ Hess	Intermetallic catalysts supported on SiCN for CO ₂ utilization	WS22
15:20-15:50	Warisha	Thomas/Bojdys	From CO ₂ to fuels: CO ₂ reduction electrocatalyst design & performance	WS22
16:15/16:30	Departure by bus			
Approx. 17:30/18:00	Berlin			